



## PROCUREMENT JUSTIFICATION FORM (PJF)

This form must accompany all contract requests and sole source requisitions (RQS) over \$5,000 submitted to the Division of Procurement Services.

*INSTRUCTIONS: Please provide the requested information in the white spaces below. All responses (except signatures) must be typed; no hand-written forms will be accepted. See the guidance document posted with this form on the Division of Procurement Services intranet site (Forms page) for additional instructions.*

PART I: OVERVIEW				
Department Office/Division/Program:	Department of Environmental Protection/Response Services			
Department Contract Administrator or Grant Coordinator:	Nina Caputo			
(If applicable) Department Reference #:	Click or tap here to enter text.			
Amount: (Contract/Amendment/Grant)	\$ \$108,400.00	Advantage CT / RQS #:	RQS #20220519*1364	
CONTRACT	Proposed Start Date:		Proposed End Date:	
AMENDMENT	Original Start Date:	Click or tap to enter a date.	Effective Date:	Click or tap to enter a date.
	Previous End Date:	Click or tap to enter a date.	New End Date:	Click or tap to enter a date.
GRANT	Project Start Date:	Click or tap to enter a date.	Grant Start Date:	Click or tap to enter a date.
	Project End Date:	Click or tap to enter a date.	Grant End Date:	Click or tap to enter a date.
Vendor/Provider/Grantee Name, City, State:		Ohio Lumex Co, Inc.		
Brief Description of Goods/Services/Grant:		Portable Mercury Analyzer RA-915M – For mercury detection in ambient air		

PART II: JUSTIFICATION FOR VENDOR SELECTION			
Check the box below for the justification(s) that applies to this request. (Check all that apply.)			
<input type="checkbox"/>	A. Competitive Process	<input type="checkbox"/>	G. Grant
<input type="checkbox"/>	B. Amendment	<input type="checkbox"/>	H. State Statute/Agency Directed
<input checked="" type="checkbox"/>	C. Single Source/Unique Vendor	<input type="checkbox"/>	I. Federal Agency Directed
<input type="checkbox"/>	D. Proprietary/Copyright/Patents	<input type="checkbox"/>	J. Willing and Qualified
<input type="checkbox"/>	E. Emergency	<input type="checkbox"/>	K. Client Choice
<input type="checkbox"/>	F. University Cooperative Project	<input type="checkbox"/>	L. Other Authorization

Please respond to ALL of the questions in the following sections.

### PART III: SUPPLEMENTAL INFORMATION

1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I.

The Ohio Lumex RA-915M measures the density of mercury vapor in ambient air. The Division of Response Services regularly responds to mercury spills and releases, most frequently in private residences. The Department of Environmental Protection advises an ambient air quality limitation of 300 ng/m<sup>3</sup>; this applies to sensitive populations such as children and child-bearing persons, but also acts as a general safety guideline for Department Staff who meet the sensitive population criteria. The Department's Standard Operating Procedure for Collecting and Analyzing Mercury Vapor requires that Department staff should not work for over 30 minutes where mercury reading are above 12,500 ng/M<sup>3</sup> without appropriate respiratory protection. Mercury reading above 25,000 ng/M<sup>3</sup> require Department staff to leave the area or use appropriate respiratory protection. Any exposures over 25,000 ng/M<sup>3</sup> should be reported on a safety exposure report form.

The Ohio Lumex RA-915M is the most sensitive mercury analyzer available to date, able to read vapor concentrations down to 0.5 ng/m<sup>3</sup>. The ability to read vapor concentrations at or below 300 ng/m<sup>3</sup> is essential to determining whether the ambient air of a residential, commercial, or public facility is safe for human occupancy and critical for assessing the safety of Department staff.

As added incentive, the Environmental Protection Agency has listed the RA-915M on the Recommended Emergency Response Equipment List. This is mostly due to its ability to give real-time analysis of mercury vapor without the possibility of other gases, vapors, or particulates impinging or interfering with the readings. This is because the RA-915M uses Cold Vapor Atomic Absorption Spectroscopy (CVAAS), a technique that does not require vaporization for measurement, takes advantage of Mercury's unique status as the only elemental metal that is liquid at room temperature. This allows the mercury vapor to be read without volatilizing other present metals or silicas. This makes the RA-915M essential to accurate and verifiable readings.

2. Provide a brief justification for the selected vendor to supplement the response in Part II. Reference the RFP number, if applicable.

As stated in the provided letter from Ohio Lumex Co, Inc., "This letter verifies that Ohio Lumex Co., Inc. is the only manufacturing (final assembly), quality control, support, sales and distribution center in the United States, authorized by Lumex LTD., for the ... RA915M"

3. Explain how the negotiated costs or rates are fair and reasonable; or how the funding was allocated to grantee.

The provided quote is from Ohio Lumex Co, Inc. Purchasing directly from Ohio Lumex Co, Inc. means purchasing directly from the manufacturer. This eliminates additional "middleman" costs that arise from distributors and shipping companies

**PART III: SUPPLEMENTAL INFORMATION**

4. Describe the plan for future competition for the goods or services.

The Division of Response Services always works to find the most cost effective but job-appropriate option on the market. The Lumex RA-915M is the only mercury analyzer available that can provide the necessary metering range that allows Response to assess and verify the safety of a mercury spill site.

**PART IV: AMERICAN RESCUE PLAN ACT (ARPA) / MAINE JOBS & RECOVERY PLAN (MJRP)**


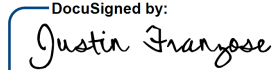
Does this request utilize ARPA/MJRP funds?

Yes – If Yes, please attach the approved Business Case(s).

No – If No, proceed to Part V.

**PART V: APPROVALS**

The signatures below indicate approval of this procurement request.

Signature of requesting Department's Commissioner (or designee):			
Typed Name:	David R. Madore for Melanie Loyzim	Date:	May 19, 2022
Signature of DAFS Procurement Official:			
Typed Name:	Justin Franzose	Date:	5/20/2022